

**VAULT CONTROLLER SUPERVISOR AND METHOD OF OPERATION FOR  
MANAGING MULTIPLE INDEPENDENT VAULT PROCESSES AND  
BROWSER SESSIONS FOR USERS IN AN ELECTRONIC BUSINESS SYSTEM**

**Abstract**

5           A vault controller manages resources in a secure environment or vault dedicated  
to an authorized user(s) for conducting electronic business in a distributed information  
system, e.g., the Internet. The controller includes a web server and a supervisor in a  
shared object library which runs as part of an HTTP daemon. The supervisor runs as a  
multi-threaded process and includes multiple service supervisor (SS) threads; a  
10 communication supervisor (CS) thread; a request supervisor (RS) thread; state and data  
tables and a vault daemon to support launching secure processes mapped to users through  
digital certificates included in user requests to the controller.